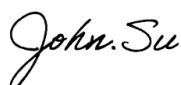


Certificate of Analysis

Date of Testing: 2022-11-23 17:34:20
Date of Next Testing: 2023-11-23 17:34:20
Product Name: **1-palmitoyl-2-hydroxy-sn-glycero-3- phospho-(1'-rac-glycerol) (sodium salt)**
CAS Number: 326495-22-1
Specifications & Purity: >99%
Lot #: K2212345
SKU #: **P130545**
Analysis: 132797
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Oxygen by Elemental Analysis	27.9-28.6 (%)	28.30 %
Sodium by elemental analysis	4.3-4.7 (%)	4.50 %
Phosphorus by Elemental Analysis	5.8-6.3 (%)	6.10 %
Purity(HPLC)	99-100 (%)	99.40000 %
Carbon by Elemental Analysis	51.4-52.4 (%)	51.80 %
Hydrogen by Elemental Analysis	8.5-9 (%)	8.80 %
Char	Negative	Negative
Iodide (I,TLC)	One spot	One spot
Ninhydrin	Negative	Negative
Phosphorus (P)	Positive	Positive
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager